

**United States Environmental Protection Agency, Region 9**

**UNDERGROUND INJECTION CONTROL (UIC)**

**INDIVIDUAL PERMIT**

**Class V Injection**

**Permit No. NV504000001**

**Issued to:**

Leon Mark Kizer (Allotment CC 234 Owner)  
c/o Bureau of Indian Affairs - Western Nevada Agency  
311 East Washington Street  
Carson City, NV 89701

and

PTP, Incorporated (Operator)  
P.O. Box 188  
Minden, NV 89423

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## PART I. JURISDICTION AND AUTHORIZATION TO OPERATE

The United States Environmental Protection Agency (EPA) issues this Underground Injection Control (UIC) Permit pursuant to its authority under the Safe Drinking Water Act (SDWA) and implementing regulations at Title 40 of the Code of Federal Regulations, Parts 124, 144, 146, and 148.

The EPA hereby authorizes

Leon Mark Kizer (Allotment CC 234 Owner)  
c/o Bureau of Indian Affairs - Western Nevada Agency  
311 East Washington Street  
Carson City, NV 89701

and

PTP, Incorporated (Operator)  
P.O. Box 188  
Minden, NV 89423

(hereafter collectively referred to as the "Permittees") to operate two (2) existing Class V injection wells known as:

<u>EPA Injection Well Inventory Number</u>	<u>Injection Well Name (as named by Permittees)</u>
NV-WAS-5W32-001	Disposal Field A
NV-WAS-5W32-002	Disposal Field B

located at the Pineview Subdivision on 149 N. Highway 395, Gardnerville, NV 89410, Allotment Number CC 234, and having the specifications listed in Appendix A (Injection Well Schematics) to inject solely sanitary waste produced within the Pineview Subdivision delineated in Appendix B (Facility Map) in accordance with all conditions set forth in Parts I, II, III, and IV of this permit.

EPA authorizes the operation of the two (2) existing Class V injection wells, and the construction and operation of up to two (2) new Class V injection wells contingent upon meeting the conditions of this permit. As specified in Part II of this permit, the location of any new injection wells shall be included in Appendix B (Facility Map), when this information is provided by the Permittees, and shall be subject to public review and comment.

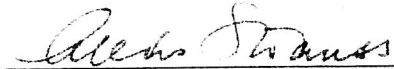
All conditions set forth in this permit are based on Title 40, Parts 124, 144, 146, and 148 of the Code of Federal Regulations (CFR). This permit consists of 19 pages in addition to appendices and includes all items listed in the Table of Contents. Further, this permit is based upon information submitted by the Permittees with the permit application and on other information



contained in the administrative record. It is the responsibility of the Permittees to read, understand, and fully comply with all conditions of this permit.

This permit is issued by EPA for a period of five (5) years unless terminated under the conditions set forth in Part III, Section B of this permit.

This permit is issued on 7 Sept. 2004 and becomes effective on 7 Sept. 2004.

A handwritten signature in cursive script, reading "Alexis Strauss", is written over a horizontal line.

Alexis Strauss, Director

Water Division

United States Environmental Protection Agency, Region IX

## PART II. SPECIFIC PERMIT CONDITIONS

### A. DEFINITIONS

#### 1. Injection Well

Within this permit, the term “injection well” refers to a subsurface fluid distribution system designed to inject treated wastewater below the ground surface. Subsurface fluid distribution systems (commonly known as drainfields) that have the capacity to inject the sanitary waste of 20 or more persons a day are Class V injection wells pursuant to CFR §144.81.

#### 2. Injection Line

Within this permit, the term “injection line” refers to all conveyances and components from the septic tanks at each residence through the injection well that ultimately receives the treated septic tank effluent. As delineated in Appendix A (Injection Well Schematics), the injection line includes:

- each individual home’s septic tank,
- the collection lines and lift stations between the septic tanks and the wastewater treatment system’s equalization tank,
- the distribution box between the equalization tank and the wastewater treatment units,
- the wastewater treatment units,
- the distribution box between the wastewater treatment units and the dosing siphons,
- the dosing siphons,
- and the injection well after the dosing siphons.

#### 3. Underground Source of Drinking Water (USDW)

Within this permit, the term “Underground Source of Drinking Water (USDW)” refers to an aquifer that currently supplies drinking water for human consumption, or contains fewer than 10,000 milligrams per liter total dissolved solids and is not an exempted aquifer.

#### 4. Sanitary Waste

Under CFR §146.3, “sanitary waste” is liquid or solid waste originating solely from humans and human activities, such as wastes collected from toilets, showers, wash basins, sinks used for cleaning domestic areas, sinks used for food preparation, clothes washing operations, and sinks or washing machines where food and beverage serving dishes, glasses, and utensils are cleaned.

**B. LOCATION OF EXISTING AND PROPOSED INJECTION WELLS**

**1. Existing Injection Well Locations**

- a. Pineview Subdivision  
149 N. Highway 395  
Gardnerville, NV 89410

Allotment CC 234

Latitude: 38 degrees 51' 03" N  
Longitude: 119 degrees 38' 52" W  
Section: 5, Township: 11, Range: 21 East

- b. A complete site map depicting property boundaries, facility locations, and a clear representation of all connections to each injection well is included in Appendix B.

**2. Proposed Injection Well Locations**

- a. EPA authorizes the Permittees to operate two (2) existing injection wells, and to construct two (2) new injection wells (if needed), contingent upon meeting all conditions of this permit. Any new wells must be located within the property boundary delineated in Appendix B.
- i. Reserve areas for the construction of new injection wells (described in Part II.B.2.a [this page]) that may be required under this permit are found in Appendix B.
- b. At least thirty (30) days prior to any proposed injection well construction, EPA shall receive from the Permittees:
- i. The elevation, latitude, and longitude of the proposed well location; and
- ii. A complete site map with the proposed well location included in a form similar to Appendix B.

**C. WELL CONSTRUCTION AND RELATED CONDITIONS**

**1. New Injection Wells and Modifications to Existing Injection Wells**

This section excludes construction in response to Emergency Repairs (Part II.C.4 [page 7]) or Upset Conditions (Part II.D.2 [page 7]).

- a. The Permittees shall give EPA at least thirty (30) days advance written notice prior to construction of a new injection well, or alteration of any portion of an existing injection line. Any existing injection line alteration will require prior approval of the EPA and either a major or minor permit modification under the requirements of 40 CFR §§144.39 and 144.41. This written notice shall include:
  - i. An explanation of the need for new well construction;
  - ii. The latitude and longitude of the proposed well area;
  - iii. Complete well design plans, including: percolation testing results, loading rate calculations, and trench type, depth and length;
  - iv. A detailed map similar to the one found in Appendix B, with the location of the proposed well area and a clear depiction of all injectate sources;
  - v. A well abandonment plan.
- b. A new injection well (including reconstruction of a failed well) may not commence injection until:
  - i. construction is complete and the Permittees have submitted a notice of completion of construction to EPA through certified mail; and
  - ii. EPA has received and reviewed the well information in Part II.C.1.a (this page) and determined that the well is in compliance with the conditions of this permit. Injection into a new well is prohibited until the Permittees demonstrate to EPA under 40 CFR §144.12 that the injection activity will not endanger an underground sources of drinking water or otherwise adversely affect public health.
- c. Any changes to the construction plan during construction must receive prior written approval from EPA and comply with 40 CFR Parts 144 and 146.
- d. Public access shall be restricted to the equalization tank, wastewater treatment units, and dosing siphons of the injection line by fencing, signs, and/or other acceptable alternatives.
- e. Each injection well drainfield lateral shall be constructed with at least one (1) monitoring port to allow for proper maintenance and inspection.
- f. All collection piping on the injection line shall have access for observation and clean-out every 200 feet at minimum.

## 2. Monitoring Wells

Pursuant to 40 CFR §§144.51(h) and 144.52(a)(9), in order to protect public health and adequately characterize the impact of the injection wells on ground water quality, and to ascertain flow direction, the Permittees shall design, construct (contingent upon EPA approval), and maintain in good operating condition, at least four (4) ground water monitoring wells for each injection well. If further information is needed to determine the impact of the injection wells on public health and ground water quality, EPA may require the construction of additional monitoring wells. At least fourteen (14) days prior to construction, the Permittees shall submit the following to EPA for approval:

- a. Location of each proposed monitoring well on a map that includes the proposed injection wells (drainfields);
- b. Design plans for each monitoring well, including: ground water elevation at ground water monitoring well site, casing type, screen interval, and material used for the filter pack, seal, and surface completion;
- c. A statement explaining the rationale for ground water monitoring well locations and depth of screen intervals.

## 3. Monitoring Devices

Pursuant to 40 CFR §§144.51(h) and 144.52(a)(9), in order to prevent the migration of injected fluids into an underground source of drinking water and to adequately characterize the injectate, the Permittees shall construct and maintain in accurate and good operating condition, the following:

- a. One (1) sampling port on the injection line before the advanced treatment units to monitor the untreated influent;
- b. One (1) sampling port on the injection line between the advanced treatment units and the dosing tanks to monitor injectate quality and advanced treatment unit performance;
- c. A dosing counter for each dosing tank;
- d. One (1) sampling port at the wellhead for Pineview Subdivision's water supply system (Public Water Supply System number 3200374); and
- e. One (1) monitoring port for each injection well drainfield lateral.

*THE MOUNTAIN*

- f. Each ground water monitoring well shall be constructed to allow for routine sampling using a bailer or sampling pump.
- g. All lift stations, wastewater treatment equipment, and dosing devices shall be equipped with a dial-up alarm system to notify the Permittees of malfunction.

#### **4. Emergency Repairs**

All emergency repairs necessary to prevent or mitigate injection well failure, ground water contamination, or other threats to public health can proceed with no prior EPA approval. All Upset Conditions specified in Part II.D.2 (this page) are applicable while conducting emergency repairs.

### **D. WELL OPERATION**

#### **1. Well Integrity**

- a. The Permittees shall operate and maintain the injection wells so that:
  - i. There are no significant leaks throughout any injection line;
  - ii. There is no surfacing injectate in any collection or injection well area; and
  - iii. All electrical and mechanical components of the injection line are operating to manufacturer's specifications.
- b. The Permittees shall report to EPA any failure to comply with Part II.D.1.a (this page) by phone within 24 hours of detection, and in writing within five (5) days after detection.

#### **2. Upset Conditions**

- a. All of the following conditions constitutes a failure to comply with this permit:
  - i. Failure to comply with Part II.D.1.a (this page),

- ii. Failure of samples taken between the advanced treatment units and the dosing tanks (location described in Part II.C.3.b [page 6]) to meet the following effluent concentration limits (sampling requirements described in Part II.F.2.a [page 11]):

-25 milligrams per liter (mgL<sup>-1</sup>) for total suspended solids,  
-25 mgL<sup>-1</sup> for biological oxygen demand, and  
-15 mgL<sup>-1</sup> for nitrate-nitrogen.

- iii. Detection of coliphage or nitrates from monitoring well sampling activities described in Part II.F.3 (page 11),

- iv. Discharging injectate above ground or to a surface water body.

- b. Upon failure to comply with any of the conditions listed under Part II.D.2.a (page 7), the Permittees shall immediately cease all injection activity at the failing injection well.

- i. Injection may commence only after compliance with the Upset Conditions listed under Part II.D.2.a (page 7) is achieved, and the Permittees receive a written statement from EPA allowing injection activities to resume.
- ii. If any injection well cannot comply with the conditions listed under Part II.D.2.a (page 7), the treatment technology used by the injection well must be augmented or replaced before injection may resume, and the conditions listed in Part II.C.1 (page 4) must be satisfied.
- iii. Upon failure to comply with any of the conditions listed under Part II.D.2.a (page 7), fluid in the injection line shall be stored on-site and transported off-site to an approved wastewater treatment facility by a qualified pumping company. Upon issuance of the permit, the Permittees shall secure service provider(s) capable of supplying such services and provide EPA with their names, address, and phone numbers.

### 3. Injection Volume Limitation

The designed daily system injection volume capacity (10,400 gallons per day for Disposal Field A, and 33,600 gallons per day for Disposal Field B) shall not be exceeded.



**4. Injectate Fluid Restriction**

- a. Only sanitary waste, solely from the homes and offices located within the property boundaries delineated in Appendix B, may be injected through the injection wells authorized by this permit.
  - i. All septic tank additives are prohibited.

**E. WELL MAINTENANCE**

Pursuant to 40 CFR §§144.51(h) and 144.52(a)(9), in order to prevent the migration of injected contaminants into an underground source of drinking water, the Permittees shall perform the following actions:

**1. Develop a Maintenance Plan**

- a. The Permittees shall develop a Maintenance Plan that schedules and outlines all maintenance activities required in Parts II.E.2.a, II.E.2.b (this page), and II.E.3 (page 10).
  - i. All required maintenance and inspection activities for various necessary time intervals (i.e. daily, weekly, biweekly, monthly, quarterly, annually, etc.) shall be clearly listed on a worksheet that will be signed and dated by the appropriate personnel as the maintenance activities are completed and subsequently kept as a record as required in Part III.E.10 (page 17).
- b. The Maintenance Plan must be approved by EPA prior to commencing injection at any well.

**2. Perform Maintenance**

- a. The Permittees shall perform all manufacturer-recommended maintenance for the collection system, including holding tank(s), advanced treatment units, distribution boxes, siphons, valves, and injection wells.
- b. All septic tanks (including the effluent filters) within the property boundaries delineated in Appendix B shall be inspected by a qualified wastewater operator at the end of the **first, third, and fifth years** of the period during which this permit is effective.
  - i. All materials in septic tanks on the injection line shall be pumped (by the provider chosen to perform the duties associated with Part II.E.2.b) when the length of sludge plus the scum exceeds one-third (1/3) of the total height of the septic tank.



### **3. Perform Annual Maintenance Inspection**

- a. Each injection line shall be inspected and evaluated annually by a registered engineer. The engineer's inspection shall include, at minimum, the following:
  - i. inspect the entire collection system, removing manhole covers to observe the condition of the piping and lift stations (including pumps) and noting any signs of inflow or excess infiltration;
  - ii. inspect the evenness of distribution through the distribution boxes and make required adjustments;
  - iii. evaluate the condition of the advanced treatment units and dosing siphons;
  - iv. check the depth of ponding in all in-field observation wells;
  - v. check the disposal well area for excess vegetative growth;
  - vi. note any repairs or additional maintenance required to be performed on the sewage collection, treatment, and dispersal system.
- b. The Permittees shall complete all repairs noted in the inspection report required under Part II.G.1.b within forty-five (45) days of receiving the report.

## **F. MONITORING**

### **1. Develop Sampling Plan**

- a. The Permittees shall develop an EPA-approved Sampling Plan with specific sampling dates (throughout the permit period), required personnel, and safety precautions for all sampling requirements in Parts II.F.2, II.F.3, and II.F.4 (page 11).
  - i. The Sampling Plan shall identify the appropriate quality assurance/quality control provisions for the sampling requirements in Parts II.F.2, II.F.3, and II.F.4 (page 11), including all analytic procedures, sampling methods, sample preservation methods, sampling locations, and confirmation sampling for both sampling and analysis.
  - ii. All analyses carried out under the Sampling Plan must be performed at a laboratory approved by EPA for applicable methods.

## 2. Monthly Injection Well Monitoring

- a. Each month, samples shall be collected from the locations specified in Parts II.C.3.a and II.C.3.b (page 6) according to the procedures established in Part II.E.1.a (page 9). The samples shall be analyzed for the following parameters:

-total nitrogen-Kjeldahl	(Standard Method 4500C)
-nitrate-nitrogen	(EPA Method 353)
-total suspended solids	(Standard Method 2540D)
-biological oxygen demand	(5-day, Standard Method 5210B)
-volatile organic compounds	(EPA SW-846 Method 8260)

- b. Using the siphon dosing tank counters specified in Part II.C.3.c (page 6), the total volume of injectate shall be calculated on a monthly basis.

## 3. Monthly Ground Water Sampling

- a. Each month, samples shall be collected from the locations specified in Parts II.C.3.<sup>e</sup> (page 6) and II.C.3.f (page 7) according to the procedures established in Part II.F.1.a (page 10). The samples shall be analyzed for the following parameters:

-nitrate-nitrogen	(EPA Method 353)
-fecal coliform	(Standard Method 9221)
-coliphage	(Male-Specific, EPA Method 1602)

- b. Ground water level measurements shall be collected at each monitoring well using an electronic direct contact detention probe with a calibrated cable/tape relative to the top of the well casing, or another device capable of accurately measuring ground water elevation.
- c. The Sampling Plan required by Part II.F.1.a (page 10) shall include monitoring well sampling procedures for removing at least three (3) well casing volumes of ground water before sampling.

## 4. Monitoring Results and Upset Conditions

Monitoring results that demonstrate Upset Conditions as described in Part II.D.2.a (page 7) require immediate resampling (confirmation sampling). If the confirmation sampling results demonstrate Upset Conditions, then procedures outlined in Part II.D.2.b (page 8) must be followed.

## **G. REPORTING**

### **1. Reporting Frequency**

Appendix C consists of a summary table of requirements for Maintenance/Inspections, Monitoring/Sampling, and Reporting.

- a. The following reports must be submitted to EPA **monthly**:
  - i. A record of all maintenance activity outlined in the Maintenance Plan required by Part II.E.1 (page 9).
  - ii. A clear, specific report of the sampling activities and results outlined in Parts II.F.2.a and II.F.2.b (page 11), following the Sampling Plan required by Part II.F.1.a (page 10).
  - iii. A clear, specific report of the sampling activities and results outlined in Parts II.F.3.a (page 11) and II.F.4 (page 11), following the Sampling Plan required by Part II.F.1.a (page 10).
- b. The following report must be submitted to EPA **annually**:
  - i. A report detailing the results of the comprehensive Annual Maintenance Inspection requirements required by Part II.E.3 (page 10).
- c. The following report must be submitted to EPA following the **first, third, and fifth year** of this permit:
  - i. A report detailing the results of the septic tank inspection required by Part II.E.2.b (page 9).
- d. The following report must be made available to the residents of Pineview Subdivision **annually** (a letter notifying residents of the report's existence and location for reference is adequate):
  - i. A report detailing the results of the comprehensive Annual Maintenance Inspection required by Part II.E.3 (page 9), and a copy of all the previous year's monitoring data (submitted to EPA in response to the requirements of Parts II.G.a,b, and c [this page]).

## **H. FINANCIAL RESPONSIBILITY**

The Permittees shall perform a Cost Analysis to determine the cost of carrying out the permit requirements over the effective period of the permit. The Cost Analysis must include evidence of funding availability to carry out the permit requirements. The Cost Analysis must be submitted to EPA within thirty (30) days of the issuance of this permit. If EPA does not approve the Cost Analysis, the Permittees must submit a revised Cost Analysis that addresses EPA's comments. All injection activities must cease if the re-submitted Cost Analysis is not approved by EPA within sixty (60) days of the issuance of this permit. Injection activities can only be resumed when a Cost Analysis is submitted and accepted by EPA.

## PART III. GENERAL PERMIT CONDITIONS

### A. EFFECT OF PERMIT

The Permittees are allowed to engage in underground injection well operation in accordance with the conditions of this permit. The Permittees shall not construct, operate, modify, maintain, convert, plug, abandon, or conduct any other injection activity in a manner that allows the movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 CFR Part 141 or may otherwise adversely affect the health of persons. Furthermore, any underground injection activity not specifically authorized in this permit is prohibited. Compliance with this permit during its term constitutes compliance for purposes of enforcement with Part C of the Safe Drinking Water Act (SDWA). Such compliance does not constitute a defense to any action brought under Section 1431 of the SDWA, or any other common law, statute, or regulation other than Part C of the SDWA. Issuance of this permit does not convey property rights of any sort or any exclusive privilege, nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of State or local law or regulations. Nothing in this permit shall be construed to relieve the Permittees of any duties under all applicable laws or regulations.

If at any time EPA learns that an injection well may cause a violation of primary drinking water regulations, EPA may order the Permittees to take such actions as may be necessary to prevent the violation, including, where required, cessation of operation of the injection well.

### B. PERMIT ACTIONS

#### 1. Modification, Revocation, Reissuance, and Termination

EPA may, for cause or upon request from the Permittees or any interested person, or upon EPA's initiative, modify, revoke and reissue, or terminate this permit in accordance with 40 CFR §§124.5, 144.12, 144.39, and 144.40. Also, the permit is subject to minor modifications for cause as specified in 40 CFR §144.41. The filing of a request for a permit modification, revocation and reissuance, or termination, or the notification of planned changes, or anticipated noncompliance on the part of the Permittees does not stay the applicability or enforceability of any permit condition. EPA may also modify, revoke and reissue, or terminate this permit in accordance with any applicable amendments to the SDWA.

#### 2. Transfer of Permit

This permit is not transferable to any person except after notice is provided to EPA and the Permittees comply with the requirements of 40 CFR §144.38. The Permittees shall supply written notice to EPA at least thirty (30) days in advance of the proposed transfer date. Upon

receipt of this notice, EPA will determine whether the transfer may be effected by an automatic transfer under 40 CFR §144.38(b); or by a modification, or revocation and reissuance, under 40 CFR §§124.5 and 144.39. EPA may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under 40 CFR Parts 124, 144, and 146.

### **C. SEVERABILITY**

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances and the remainder of this permit shall not be affected thereby.

### **D. CONFIDENTIALITY**

In accordance with 40 CFR Part 2 and §144.5, any information submitted to EPA pursuant to this permit may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, EPA may make the information available to the public without any further notice.

### **E. GENERAL DUTIES AND REQUIREMENTS**

#### **1. Duty to Comply**

The Permittees shall comply with 40 CFR Parts 144 and 146, and with all conditions of this permit. Any permit noncompliance constitutes a violation of the Safe Drinking Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application; except that the Permittees need not comply with the provisions of this permit to the extent and for the duration such noncompliance is authorized in an emergency permit issued under 40 CFR §144.34.

#### **2. Duty to Reapply**

If the Permittees wish to continue an activity regulated by this permit after the expiration date of this permit, the Permittees must apply for and obtain a new permit from EPA prior to the expiration of this permit.

#### **3. Need to Halt or Reduce Activity Not a Defense**

It shall not be a defense for the Permittees in an enforcement action that it would have been

necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

**4. Duty to Mitigate**

The Permittees shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit.

**5. Proper Operation and Maintenance**

The Permittees shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittees to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this permit.

**6. Permit Actions**

This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the Permittees for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

**7. Property Rights**

This permit does not convey any property rights of any sort, or any exclusive privilege.

**8. Duty to Provide Information**

The Permittees shall furnish to EPA, within a time specified, any information that EPA may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The Permittees shall also furnish to EPA, upon request, copies of records required to be kept by this permit.

**9. Inspection and Entry**

The Permittees shall allow the EPA or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

- a. Enter upon the Permittees' premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
- d. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the SDWA, any substances or parameters at any location.

**10. Monitoring and Record Keeping**

- a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
- b. The Permittees shall retain records of all monitoring information at PTP, Inc.'s off-site office, including the following:
  - i. Operation and maintenance records (including septic tank pumping records and receipts), copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least five (5) years from the date of the sample, measurement, report, or application. This period may be extended by request of EPA at any time; and
  - ii. The nature and composition of all injected fluids until three (3) years after the completion of any abandonment procedures specified under 40 CFR §144.52(a)(6) or 40 CFR Part 146, subpart G as appropriate. The Permittees shall continue to retain the records after the three-year retention period unless they deliver the records to the EPA Regional Administrator or obtain written approval from the EPA Regional Administrator to discard the records.
- c. Records of monitoring information shall include:
  - i. The date, exact place, and time of sampling or measurements;
  - ii. The individual(s) who performed the sampling or measurements;
  - iii. The date(s) analyses were performed;



- iv. The individual(s) who performed the analyses;
- v. The analytical techniques or methods used; and
- vi. The results of such analyses.

**11. Signatory Requirement**

All applications, reports, or other information submitted to EPA shall be signed and certified by a responsible corporate officer or duly authorized representative according to 40 CFR §144.32.

**12. Reporting Requirements**

- a. *Planned changes.* The Permittees shall give notice to EPA as soon as possible of any planned physical alterations or additions to the permitted facility.
- b. *Anticipated noncompliance.* The Permittees shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- c. *Monitoring reports.* Monitoring results shall be reported at the intervals specified elsewhere in this permit.
- d. *Compliance schedules.* Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted to EPA no later than thirty (30) days following each schedule date.
- e. *Twenty-four hour reporting.* The Permittees shall report any noncompliance which may endanger health or the environment, including:
  - i. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW; and
  - ii. Any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between USDWs.
  - iii. Any information shall be provided orally within 24 hours from the time the Permittees become aware of the circumstances. A written submission shall also be provided within five (5) days of the time the Permittees become aware of the

circumstances. The written submission shall contain: a description of the noncompliance and its cause, the period of noncompliance (including exact dates and times), the anticipated time it is expected to continue (if the noncompliance has not been corrected), and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

- f. *Other noncompliance.* The Permittees shall report all instances of noncompliance not otherwise reported under Part III.E.12.e at the time monitoring reports are submitted.
- g. *Other information.* If the Permittees become aware that they failed to submit any relevant facts in the permit application, or submitted incorrect information in the permit application or in any report to EPA, they shall promptly submit such facts or information.

### **13. Notification Prior to Conversion or Abandonment**

The Permittees shall notify EPA at such times as this permit requires before conversion or abandonment of any well.

### **14. Abandonment Plan**

Upon determination that any injection well regulated by this permit is to be permanently abandoned, the Permittees shall hire a licensed contractor to remove and properly dispose of all conveyances, backfill the trenches with native material, and compact to grade. For purposes of the permit, temporary or intermittent cessation of injection operations is not abandonment.

### **15. Abandonment Report**

Within sixty (60) days after abandoning a well or at the time of the next required report (whichever is less) the Permittees shall submit an abandonment report to EPA. If the required report is due less than fifteen (15) days after completion of abandonment, then the report shall be submitted within sixty (60) days. The report shall be certified as accurate by the person who performed the abandonment. Such report shall consist of either:

- a. A statement that the well was abandoned in accordance with the abandonment plan and 40 CFR §§146.10(c) and 144.89; or
- b. Where actual abandonment differed from the plan, an updated version of the plan specifying the differences must be submitted to EPA.

## **PART IV. APPENDICES**

**APPENDIX A:**  
**INJECTION WELL SCHEMATICS**

**APPENDIX B:**  
**FACILITY MAP**

**APPENDIX C:**  
**PINEVIEW SUBDIVISION CLASS V UIC PERMIT COMPLIANCE SUMMARY**  
**TABLE**

Table 1  
Pineview Subdivision Class 5 UIC Permit Compliance Summary

Time Period	Maintenance/Inspection	Sampling/Monitoring	Reporting
<b>Year 1</b> <i>Each Month</i>	All daily, weekly, biweekly, monthly, quarterly, annual, etc. maintenance activities as dictated by the Maintenance Plan (II.E.1) created by the Permittees, and approved by EPA.	<p>Sample before and after the advanced treatment units on the injection system for Disposal Fields A and B for the 5 analytes delineated in II.F.2.a</p> <p>Sample all monitoring wells (including the public water supply well) for the 3 analytes delineated in II.F.3.a and ground water elevation</p> <p>Calculate total volume of wastewater using dosing counters from all dosing siphons on Disposal Fields A and B (II.C.3.c; II.F.2.b)</p>	<p>Signed maintenance worksheet(s) created by Permittees (II.E.1.a.i) detailing all activities (including problems, repairs, and pumping) completed during month (II.G.1.a)</p> <p>A summary of the sampling activity and analytical results of the 5 injection system analytes delineated in II.F.2 (II.G.1.a.)</p> <p>A summary of the sampling activity (including ground water elevation) and analytical results of the 3 monitoring well analytes delineated in II.F.3 (II.G.1.a)</p> <p>A calculation of the total volume of wastewater injected into Disposal Fields A and B (II.F.2.b, II.G.1.a)</p>
<b>Month 12</b>	<p>An inspection, and if needed, pumping of all septic tanks that contribute sanitary waste to Disposal Fields A and B</p> <p>A comprehensive inspection of the entire injection system for Disposal Fields A and B performed by a registered professional engineer (II.E.3)</p>		<p>Signed maintenance worksheet that provides evidence that each septic tank at Pineview Subdivision was inspected, and if needed, pumped</p> <p>The report of the results of the annual comprehensive inspection of Disposal Fields A and B signed by a registered professional engineer (II.G.1.b)</p>

Table 1  
Pineview Subdivision Class 5 UIC Permit Compliance Summary

Time Period	Maintenance/Inspection	Sampling/Monitoring	Reporting
<b>Year 2</b> Each Month	Same as Year 1	Same as Year 1	Same as Year 1
Month 12	A comprehensive inspection of the entire injection system for Disposal Fields A and B performed by a registered professional engineer (II.E.3)		The report of the results of the annual comprehensive inspection of Disposal Fields A and B signed by a registered professional engineer (II.G.1.b)
<b>Year 3</b> Each Month	Same as Year 1	Same as Year 1	Same as Year 1
Month 12	Same as Year 1		Same as Year 1
<b>Year 4</b> Each Month	Same as Year 1	Same as Year 1	Same as Year 1
Month 12	A comprehensive inspection of the entire injection system for Disposal Fields A and B performed by a registered professional engineer (II.E.3)		The report of the results of the annual comprehensive inspection of Disposal Fields A and B signed by a registered professional engineer (II.G.1.b)
<b>Year 5</b> Each Month	Same as Year 1	Same as Year 1	Same as Year 1
Month 12	Same as Year 1		Same as Year 1